

LSA Supercharger Pulley Removal & Install Tool Kit Operating Instructions



PN: L950066509

Lingenfelter Performance Engineering
1557 Winchester Road
Decatur, IN 46733
(260) 724-2552
(260) 724-8761 fax
www.lingenfelter.com
Release date: 2 June 2016

Parts List

#	Part number	Description
1		Pulley removal tool
1		Supercharger shaft support tool

Optional Parts List (to pin the pulley or hub)

#	Part number	Description
1	L950010000	3/16" straight flute solid carbide drill bit
1		1/8" high speed steel drill bit
1	98381A510	3/16" x 1" hardened steel dowel pin

Tools & Materials Required

- Ratchet
- Impact gun (optional but highly recommended)
- 15/16" or 24 mm socket (impact socket if using impact gun)
- Arbor press, hydraulic press or equivalent
- Vise
- Press fit lube or equivalent
- Anti-seize

Thank you for purchasing the Lingenfelter Performance Engineering LSA supercharger pulley removal tool kit. This kit is designed to allow the removal of the OEM LSA supercharger pulley and the installation of the LPE LSA supercharger pulley or 10 bolt pulley hub.

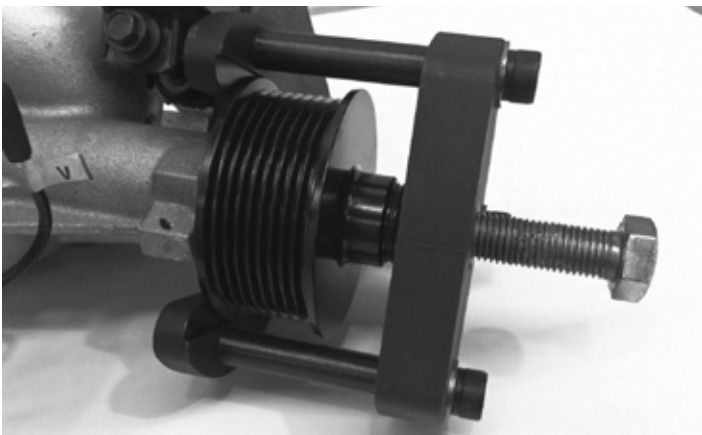


1. You must remove the supercharger front cover from the supercharger assembly to change the pulley. This is because you must support the shaft when pressing the new pulley on or you will cause the shaft to move in the cover housing and it will need to be rebuilt/serviced.

Refer to the LPE pulley instructions for cover removal.



2. Secure the front cover in a vise, being careful not to damage the aluminum casting.



3. Unscrew the primary bolt from the pulley removal tool until the tip of the bolt is just sticking past the inside of the tool.



4. Place the pulley removal tool over the back of the supercharger pulley and hand tighten the bolt so that the bolt is pressing against the center of the shaft.

NOTE - make sure you are pulling on the pulley against the shaft and NOT against the casting or you will move the shaft in relation to the shaft support bearings.



5. Make sure the threads on the pulley removal tool bolt have anti-seize on them. Failure to do so will cause the bolt to get hot and seize in the tool, potentially destroying the tool.



6. Using a ratchet or an impact gun and a 24 mm socket (or 15/16"), tighten the bolt.



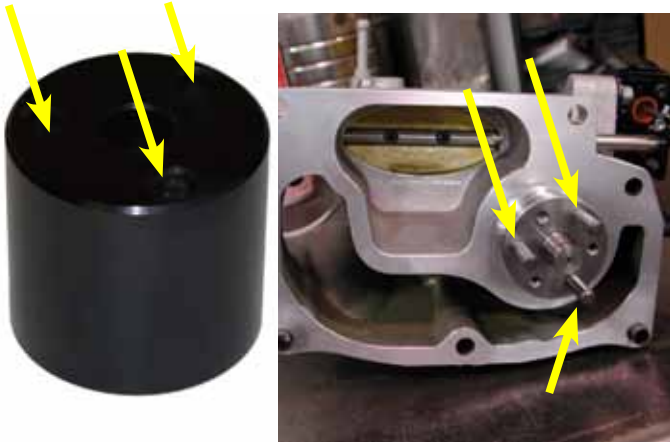
7. You may have to hold the tool from turning with your other hand.



8. Tighten the bolt until the pulley is free of the shaft.

9. Pulley or pulley hub installation.

Note - some pulley sizes will require clearance machining of the supercharger housing. Directions for this can be found in the LPE pulley instructions.



10. You will need to properly support the one end of the shaft on the supercharger front cover using the supplied support in order to be able to properly press the new pulley or hub onto the shaft. Line up the three pins in the shaft with the holes in the support spacer.



11. Place the supercharger front cover assembly in an arbor, hydraulic or other similar press. Make sure that the cover is supported by the spacer so that when you press the pulley onto the shaft you are pressing directly on the shaft and the spacer and NOT applying any force to the aluminum cover. It is critical that the shaft not move in relation to the cover casting.



12. Apply press lube to the supercharger shaft.



13. Place the hub or pulley onto the shaft and carefully press the part onto the shaft.



14. The leading edge of the pulley or hub should be flush with the end of the jackshaft, as shown in the image to the left. At this time you may want to also pin the pulley or hub on the shaft. Follow the instructions for doing this found in the LPE pulley instructions.

For additional product installation information and technical support, contact LPE or your LPE products distributor. You can also find technical support and usage discussions regarding this product and many other LPE products in our Internet forums:

<http://www.lingenfelter.com/LPEforumfiles>

Lingenfelter Performance Engineering
1557 Winchester Road
Decatur, IN 46733
(260) 724-2552
(260) 724-8761 fax
www.lingenfelter.com